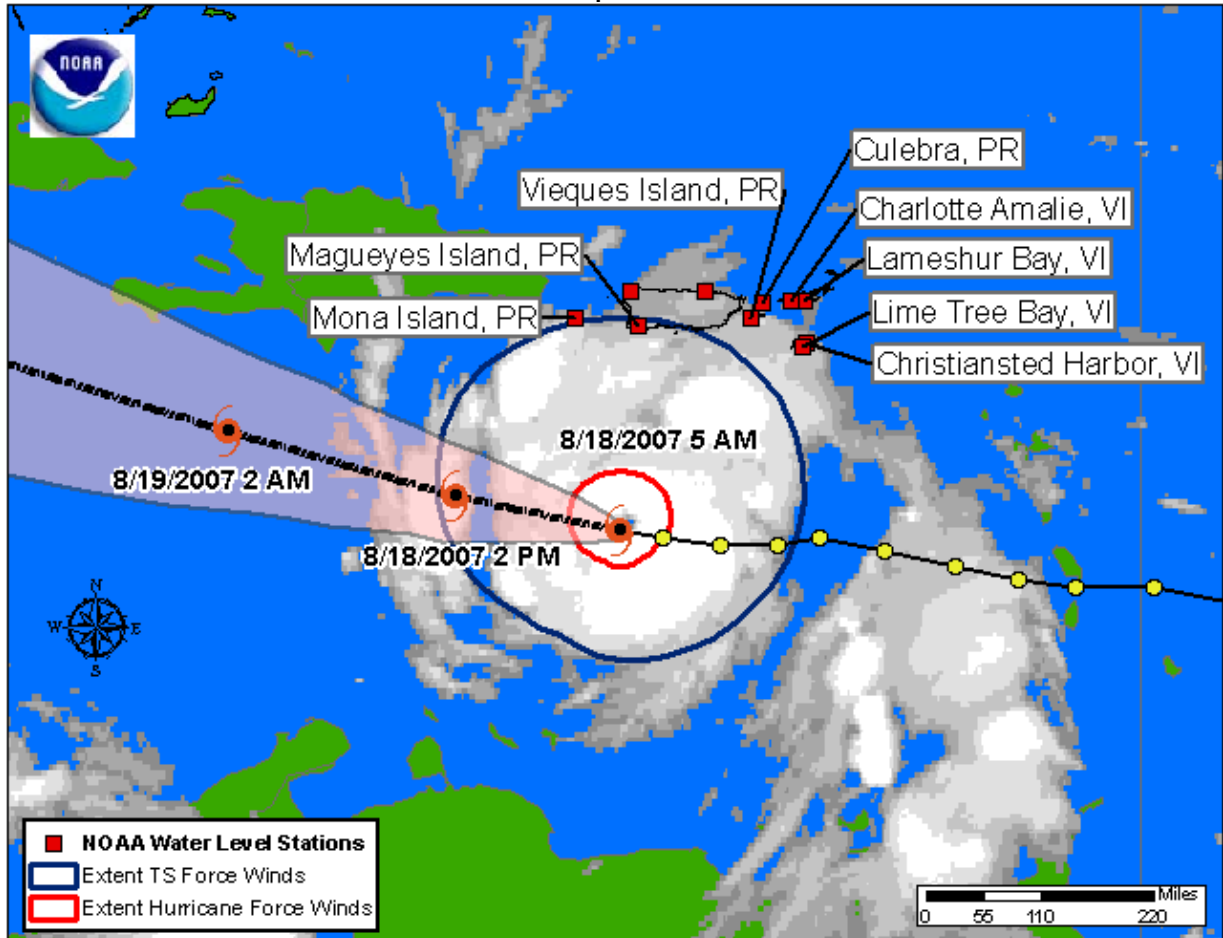


Hurricane DEAN QUICKLOOK
Posted: 06:30 AST 08/18/2007

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

NOS will continue to monitor water level stations while a NHC tropical storm warning is in effect for Puerto Rico and U.S. Virgin Islands.

NOS water levels are elevated at southern Puerto Rico and associated islands stations and at the U.S. Virgin Islands stations. Barometric pressure (sea level pressure) is falling and wind speeds are increasing.

Water level observations as of 8/18/2007 06:00 AST:

Lime Tree Bay, VI is about 0.5 ft (0.15 m) above predicted. Next high tide is 08/18/2007 Sat 19:02

AST at 0.6 ft (0.18 m) above MLLW.

Christiansted Harbor, St Croix, VI is about 0.4 ft (0.12 m) above predicted. Next high tide is 8/18/2007 Sat 16:19 AST at 0.6 ft (0.18 m) above MLLW.

Lameshur Bay, St. Johns, VI is about 0.5 ft (0.15 m) above predicted.

Vieques Island, PR is about 0.7 ft (0.21 m) above predicted. Next high tide is 08/18/2007 Sat AST 12:00 AST at 0.45 ft (0.14 m) above MLLW.

Charlotte Amalie, VI is about 0.3 ft (0.09 m) above predicted. Next high tide is 08/18/2007 Sat 13:40 AST at 0.7 ft (0.21 m) above MLLW.

Culebra, PR is about 0.3 ft (0.09 m) above predicted.

Magueyes Island, PR is about 0.6 ft (0.18 m) above predicted. Next high tide is 08/18/2007 Sat 18:39 AST at 0.6 ft (0.18) above MLLW.

Mona Island, PR is about 0.2 ft (0.06 m) above predicted. Next high tide is 08/18/2007 Sat 12:00 AST at 0.5 ft (0.16) above MLLW

Water level and meteorological plots are updated automatically. For additional data, please see

www.tidesandcurrents.noaa.gov. For more information on the Storm QUICKLOOK product, please see www.tidesandcurrents.noaa.gov/quicklook.shtml

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION at 0500 AST AST SAT AUG 18 2007

EXTREMELY DANGEROUS CATEGORY FOUR DEAN CONTINUES WESTWARD THROUGH THE EASTERN AND CENTRAL CARIBBEAN SEA

A TROPICAL STORM WARNING REMAINS IN EFFECT FOR THE BRITISH VIRGIN ISLANDS, U.S. VIRGIN ISLANDS AND PUERTO RICO. THESE WARNINGS WILL LIKELY BE DISCONTINUED LATER TODAY.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL WEATHER OFFICE.

AT 500 AM AST 0900Z THE CENTER OF HURRICANE DEAN WAS LOCATED NEAR LATITUDE 15.1 NORTH LONGITUDE 67.3 WEST OR ABOUT 660 MILES 1065 KM EAST-SOUTHEAST OF KINGSTON JAMAICA AND ABOUT 240 MILES 390 KM SOUTH-SOUTHWEST OF SAN JUAN PUERTO RICO.

DEAN IS MOVING TOWARD THE WEST NEAR 17 MPH 28 KM/HR. A GENERAL WESTWARD TO WEST-NORTHWESTWARD MOTION IS EXPECTED DURING THE NEXT 24 HOURS. ON THIS TRACK THE CORE OF THE HURRICANE WILL BE MOVING SOUTH OF THE DOMINICAN REPUBLIC LATER TODAY AND SOUTH OF HAITI TONIGHT.

MAXIMUM SUSTAINED WINDS ARE NEAR 150 MPH 240 KM/HR WITH HIGHER GUSTS. DEAN IS A CATEGORY FOUR HURRICANE ON THE SAFFIR-SIMPSON SCALE. SOME STRENGTHENING IS POSSIBLE DURING THE NEXT 24 HOURS. AN

AIR FORCE RESERVE HURRICANE HUNTER AIRCRAFT IS SCHEDULED TO REACH DEAN IN A FEW HOURS.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 60 MILES 95 KM FROM THE CENTER AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 205 MILES 335 KM. NOAA BUOY 42059 RECENTLY REPORTED A 1-MINUTE AVERAGE WIND OF 59 MPH.

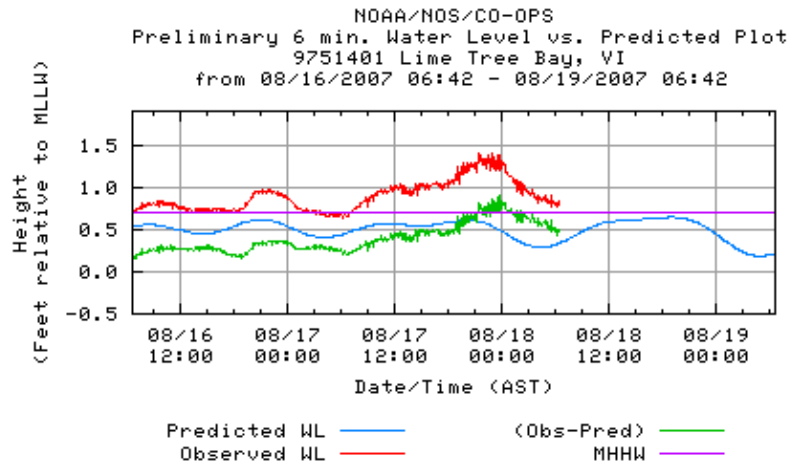
THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 930 MB 27.46 INCHES.

STORM TOTAL RAINFALL AMOUNTS OF 1 TO 2 INCHES CAN BE EXPECTED FROM DEAN OVER PUERTO RICO THE DOMINICAN REPUBLIC AND HAITI WIT MAXIMUM AMOUNTS UP TO 5 INCHES POSSIBLE. THESE RAINS COULD CAUSE LIFE-THREATENING FLASH FLOODS AND MUDSLIDES.

For the purpose of timely release, data contained within this QUICKLOOK have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Lime Tree Bay - Water Level](#), [Lime Tree Bay - Barometric](#), [Lameshur Bay, St. Johns - Water Level](#), [Vieques Island - Water Level](#), [Charlotte Amalie - Winds](#), [Magueyes Island - Water Level](#), [Magueyes Island - Barometric](#), [Lime Tree Bay - Winds](#), [Christiansted Harbor, St Croix - Water Level](#), [Lameshur Bay, St. Johns - Barometric](#), [Charlotte Amalie - Water Level](#), [Culebra - Water Level](#), [Magueyes Island - Winds](#), [Mona Island - Water Level](#),

Lime Tree Bay, VI - Station Map [Return to List](#)

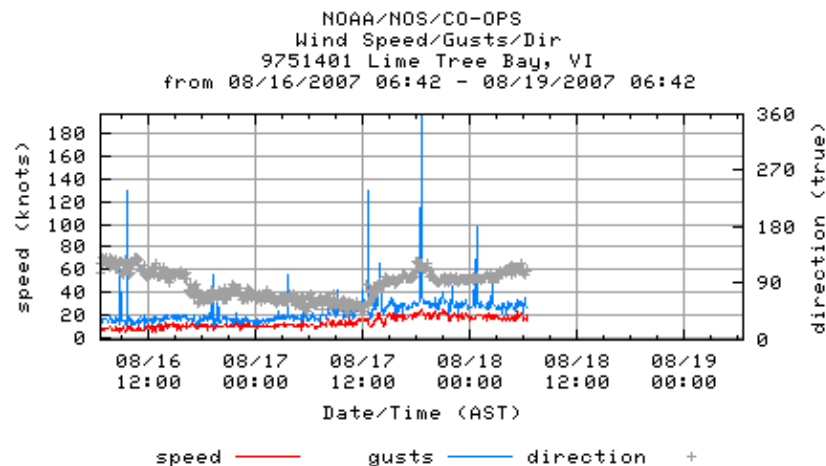


Last Observed Sample: 08/18/2007 06:36 (AST)

Relative to **MLLW**: **Observed: 0.87 ft. Predicted: 0.34 ft. Residual: 0.53 ft.**

Historical Maximum Water Level: 11/17/1999, 1.88 ft. above **MHHW**

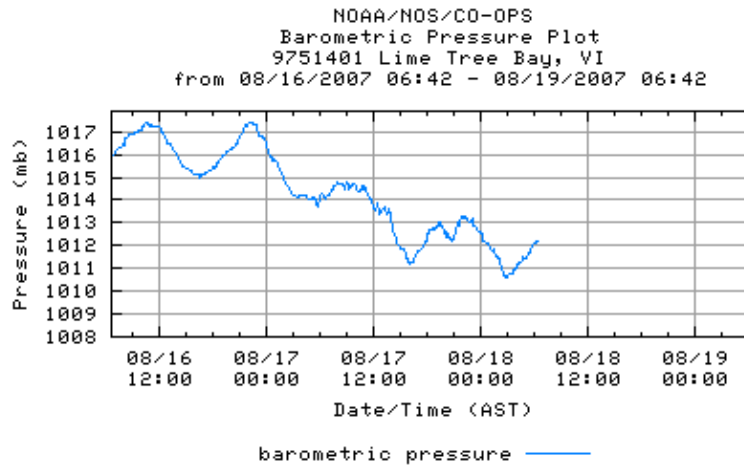
Lime Tree Bay, VI - Station Map [Return to List](#)



Last Observed Sample: 08/18/2007 06:36 (AST)

Wind Speed: 20 knots Gusts: 29 knots Direction: 108° T

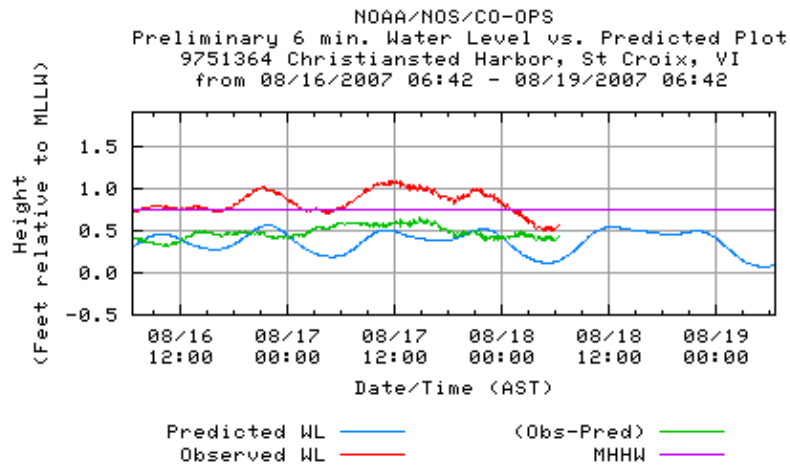
Lime Tree Bay, VI - Station Map [Return to List](#)



Last Observed Sample: 08/18/2007 06:36 (AST)

Barometric Pressure: 1012.3 mb

Christiansted Harbor, St Croix, VI - Station Map [Return to List](#)

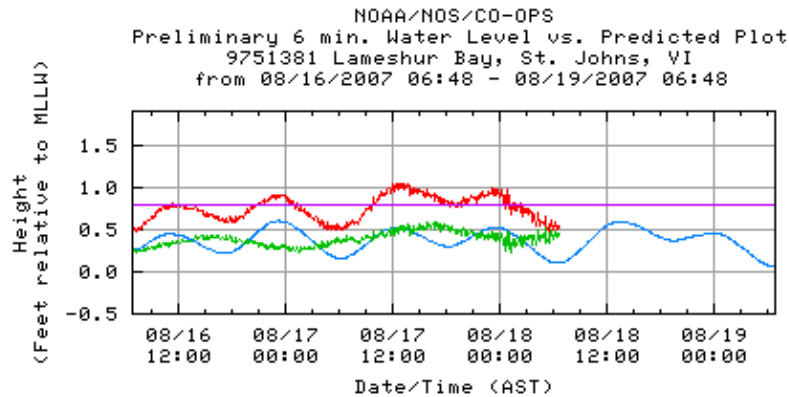


Last Observed Sample: 08/18/2007 06:36 (AST)

Relative to **MLLW**: **Observed: 0.58 ft. Predicted: 0.15 ft. Residual: 0.43 ft.**

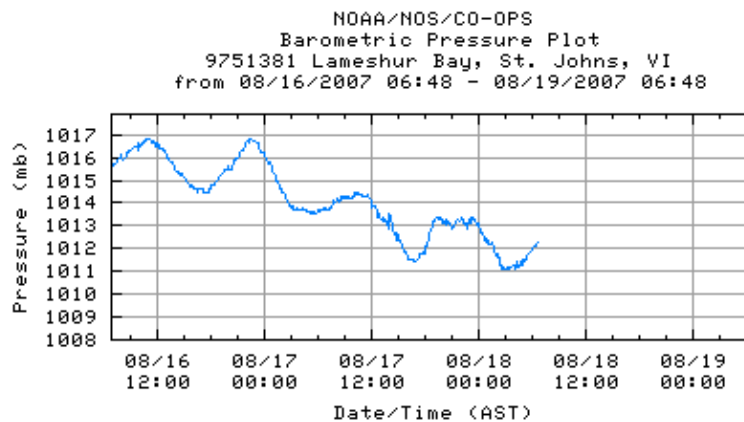
Historical Maximum Water Level: n/a

Lameshur Bay, St. Johns, VI - Station Map [Return to List](#)



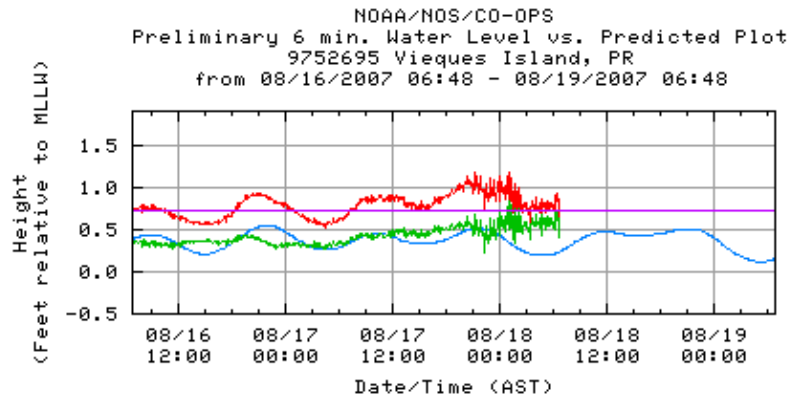
Last Observed Sample: 08/18/2007 06:36 (AST)
Relative to **MLLW**: **Observed: 0.53 ft. Predicted: 0.10 ft. Residual: 0.43 ft.**
Historical Maximum Water Level: n/a

Lameshur Bay, St. Johns, VI - Station Map [Return to List](#)



Last Observed Sample: 08/18/2007 06:36 (AST)
Barometric Pressure: 1012.3 mb

Vieques Island, PR - Station Map [Return to List](#)

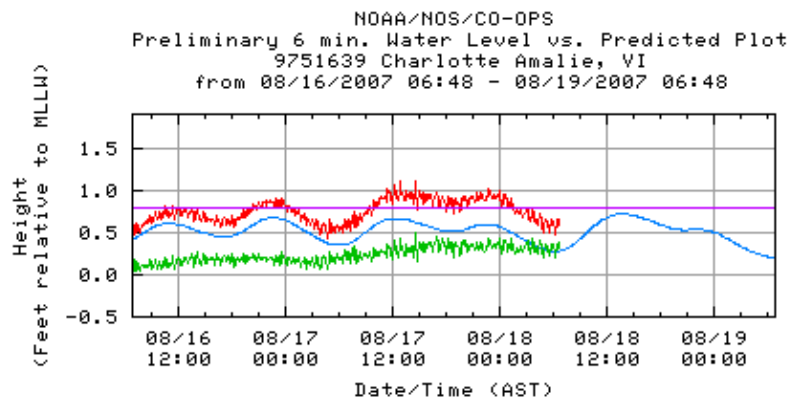


Last Observed Sample: 08/18/2007 06:36 (AST)

Relative to **MLLW**: **Observed: 0.64 ft. Predicted: 0.23 ft. Residual: 0.41 ft.**

Historical Maximum Water Level: n/a

Charlotte Amalie, VI - Station Map [Return to List](#)

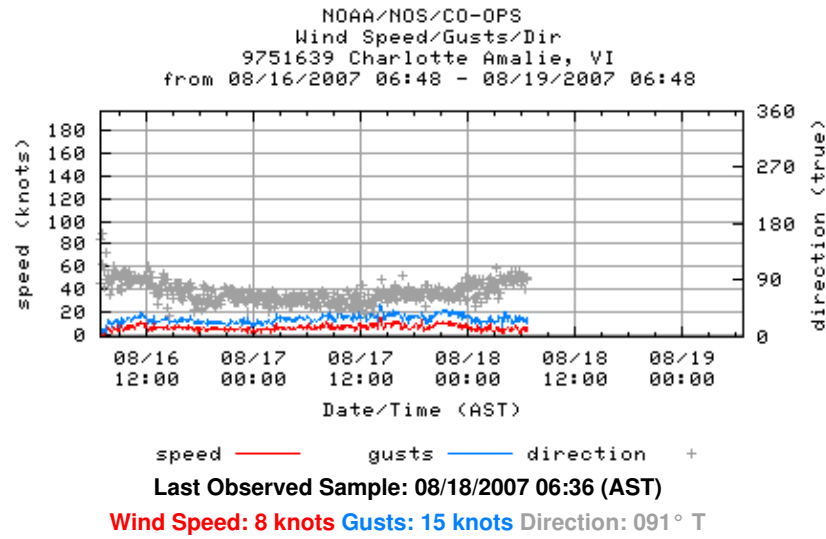


Last Observed Sample: 08/18/2007 06:36 (AST)

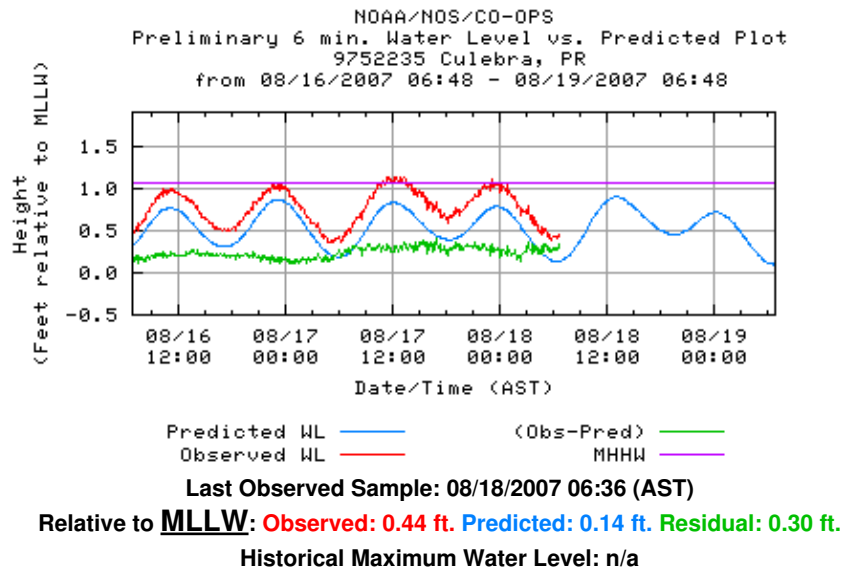
Relative to **MLLW**: **Observed: 0.59 ft. Predicted: 0.28 ft. Residual: 0.31 ft.**

Historical Maximum Water Level: 09/16/1995, 2.93 ft. above **MHHW**

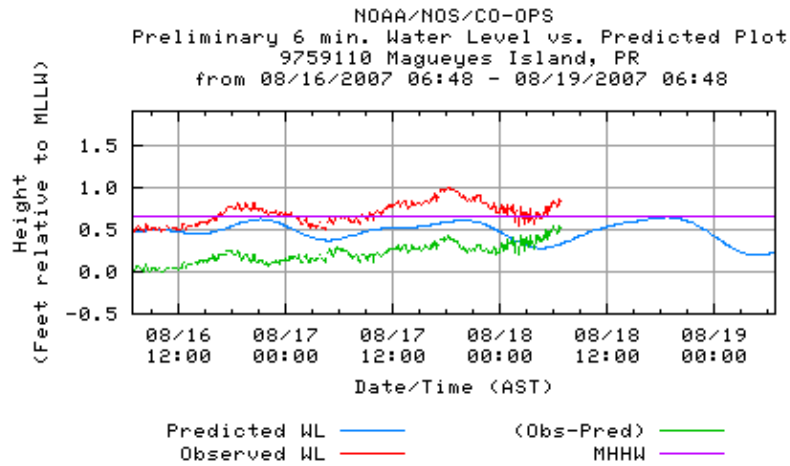
Charlotte Amalie, VI - Station Map [Return to List](#)



Culebra, PR - Station Map [Return to List](#)



Magueyes Island, PR - Station Map [Return to List](#)

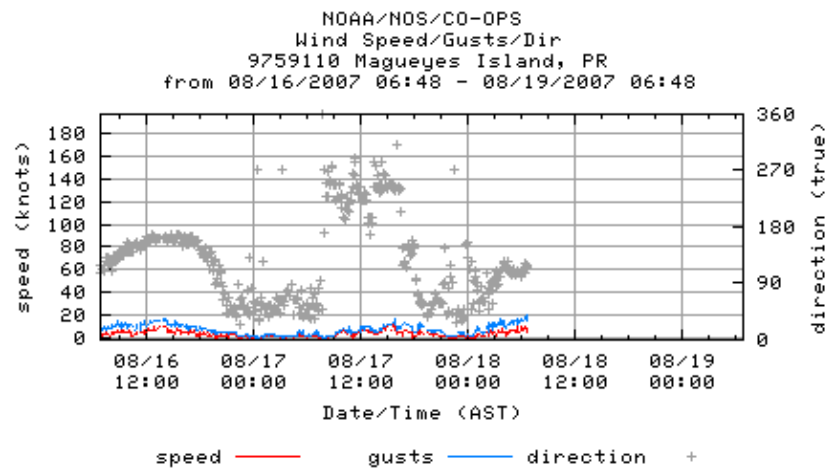


Last Observed Sample: 08/18/2007 06:42 (AST)

Relative to **MLLW**: **Observed: 0.84 ft. Predicted: 0.32 ft. Residual: 0.52 ft.**

Historical Maximum Water Level: 09/22/1998, 1.6 ft. above **MHHW**

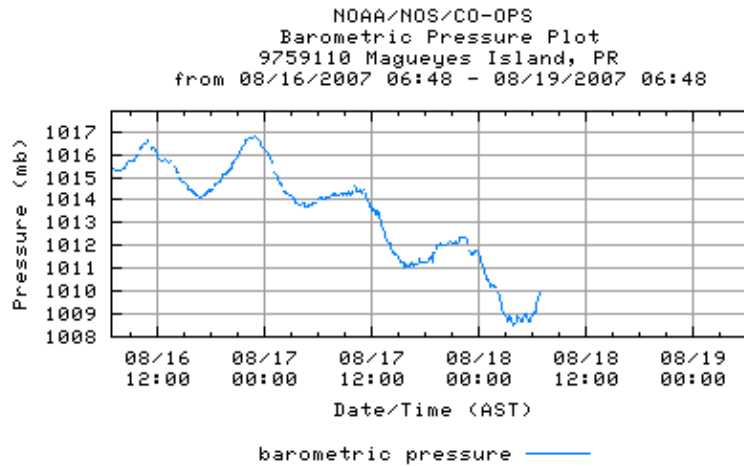
Magueyes Island, PR - Station Map [Return to List](#)



Last Observed Sample: 08/18/2007 06:36 (AST)

Wind Speed: 9 knots Gusts: 20 knots Direction: 117° T

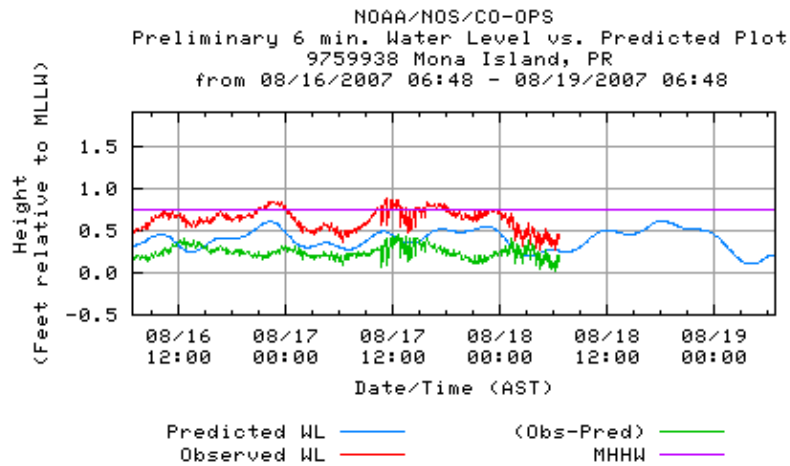
Magueyes Island, PR - Station Map [Return to List](#)



Last Observed Sample: 08/18/2007 06:42 (AST)

Barometric Pressure: 1009.9 mb

Mona Island, PR - Station Map [Return to List](#)



Last Observed Sample: 08/18/2007 06:36 (AST)

Relative to **MLLW**: Observed: 0.42 ft. Predicted: 0.25 ft. Residual: 0.17 ft.

Historical Maximum Water Level: n/a

Hurricane DEAN QUICKLOOK, POSTED 06:30 AST 08/18/2007

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce